

Title (en)

METHOD OF MANUFACTURING MEMBRANES AND THE RESULTING MEMBRANES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MEMBRANEN UND DIE DAMIT ERHALTENEN MEMBRANEN

Title (fr)

PROCEDE DE FABRICATION DE MEMBRANES ET MEMBRANES QUI EN RESULTENT

Publication

**EP 1284811 B1 20060726 (EN)**

Application

**EP 01939385 A 20010522**

Priority

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Abstract (en)

[origin: WO0189672A1] This invention provides a process for making microporous membranes from a polymer solution and the membranes therefrom. A thermal assist, such as heating of the polymer solution can be effected subsequent to shaping the solution, such as by forming a film, tube or hollow fiber of the solution under conditions that do not cause phase separation.. In a preferred embodiment, the formed solution is briefly heated to generate a temperature gradient through the body of the formed solution. The polymer in solution then is precipitated to form a microporous structure. The formation of a wide variety of symmetric and asymmetric structures can be obtained using this process. Higher temperatures and/or longer heating times effected during the heating step result in larger pore sizes and different pore gradients in the final membrane product.

IPC 8 full level

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